

ABSTRACT

In conventional contrast detection method, a photographing lens position is determined by scanning an image in one frame of each lens position at each lens position to capture an image signal and calculating a focus judging value. Therefore, a considerable time is required for determining a focus lens position at which a subject is focused. A photographing lens position control device comprising an image signal capturing unit for capturing an image signal, a focus lens moving unit for moving a focus lens while the image signal capturing unit is capturing an image signal, a retaining unit for retaining a position-dependent image signal, and a photographing lens position determining unit for determining a photographing lens position based on a position-dependent image signal. Since a focus lens is moved while an image signal is being captured as mentioned above, time required for capturing an image signal for determining a photographing lens position is shorter than before.